

(10) On-board data acquisition and processing services.

(11) Transmission of data to a NASA-designed monitoring and control facility via the basic STS Operational Instrumentation (OI) telemetry system.

(12) Use of NASA-furnished standard payload monitoring and control facilities.

(13) Voice communications between personnel operating the customer's payload and a NASA-designated payload monitoring and control facility.

(14) NASA payload safety review.<sup>1</sup>

(15) NASA support of payload design reviews.<sup>1</sup>

(j) *Typical optional Spacelab services.* The following are typical optional Spacelab services:

(1) Use of special payload support equipment, e.g., instrument pointing system.

(2) Vandenberg Air Force Base (VAFB) launch.

(3) Nonstandard mission destination.

(4) Additional time on orbit.

(5) Mission-independent training, use of, and accommodations for all flight personnel in excess of five.

(6) Mission-dependent training of all NASA-furnished personnel and backups.

(7) Analytical and/or hands-on integration (and de-integration) of the customer's payload into racks and/or onto pallets.

(8) Unique integration or testing requirements.

(9) Additional resources beyond the customer's pro rata share.

(10) Additional experiment time or crew time beyond the customer's pro rata share.

(11) Special access to and/or operation of payloads.

(12) Customer unique requirements for; software development for the Command and Data Management Subsystem (CDMS) onboard computer, configuration of the Payload Operations Control Center (POCC), and/or CDMS utilized during KSC ground processing.

(13) Extravehicular Activity (EVA) services.

(14) Payload flight planning services.

(15) Transmission of Spacelab data contained in the STS OI telemetry link to a location other than a NASA-des-

ignated monitoring and control facility.

(16) Transmission of Spacelab data not contained in the STS OI telemetry link.

(17) Level III and/or Level II integration of customer-furnished Spacelab hardware.

(k) *Options.* The provisions of §§ 1214.102(e) and 1214.202(e) do not apply to Spacelab payloads.

#### **§ 1214.805 Unforeseen customer delay.**

Should an unforeseen customer payload problem pose a threat of delay to the Shuttle launch schedule or critical off-line activities, NASA shall, if requested by the customer, make all reasonable efforts to prevent a delay, contingent on the availability of facilities, equipment, and personnel. In requesting NASA to make such special efforts, the customer shall agree to reimburse NASA the estimated additional cost incurred.

#### **§ 1214.806 Premature termination of Spacelab flights.**

If a dedicated-Shuttle Spacelab flight, a dedicated-pallet flight, or dedicated-FMDM/MPES flight is prematurely terminated, NASA shall refund the optional services charges for planned, but unused, extra days on orbit. If a complete-pallet or shared-element flight is prematurely terminated, NASA shall refund a pro rata share of the charges for planned, but unused, extra days on orbit to customers whose payload operations are, in NASA's judgment, adversely affected by such premature termination. The basis for proration shall be the customers' Shuttle load factor.

#### **§ 1214.807 Exceptional payloads.**

Customers whose payloads qualify under the NASA Exceptional Program Selection Process shall reimburse NASA for Spacelab and Shuttle services on the basis indicated in the Shuttle policy.

#### **§ 1214.808 Standby payloads.**

The standby payload provisions of the Shuttle policy do not apply to Spacelab flights.